Chevy Volt DC-DC converter
Quick Start Guide

The Accessory Power Control Module ("trunk inverter" GM model number 24262765) is a 2000Watt air cooled, CAN controlled, DC-DC converter designed to convert a nominal 360 vdc traction pack down to ~12 volts for powering the vehicle low voltage system and keeping the 12 volt battery charged. This DC-DC can be enabled by our VCU*, MCU, EVCC or Can Translator, using the command ***set ddtype volt***. Voltage is set by using the command (e.g.) ***set ddvoltage 13.8***. *This DC-DC converter cannot be used on the same canbus as the VCU for Nissan Leaf due to message conflicts – use an alternative device.

Specifications:

- Input Voltage: 260-420 vdc
- Output Voltage: 11-16 vdc (operates at 13.5 vdc without ***set*** command)
- Output Current: 135 Amperes
- Output Power: 2000 watts
- Dimensions: 13" X 9" X 3.5"
- CAN data rate: 500 kbps (see manual for setting data rate in the EVCC)

Control Connections: (connector provided: JST part # AIT2PB-10P-2Ak)

Pin 1 and Pin 6: bridge with a 120Ω resistor for CAN termination
Pin 2, CANL
Pin 3, CANH
Pin 5, Ignition, +12 vdc (pin 5 ***or*** 10 must have 12 vdc to operate)
Pin 10, Accessory, +12 vdc (optional)
Case, -12 vdc (ground)

Output Connections: (must be connected to operate)

12 +vdc + (stud in black plastic insulator)
12 –vdc (stud in aluminum case)

Input Connections: (connector provided: Delphi 13861585 type 101)

HV dc + (RH terminal – see below, earlier style on the right)
HV dc – (LH terminal)